

Maryland  
Transportation  
Authority



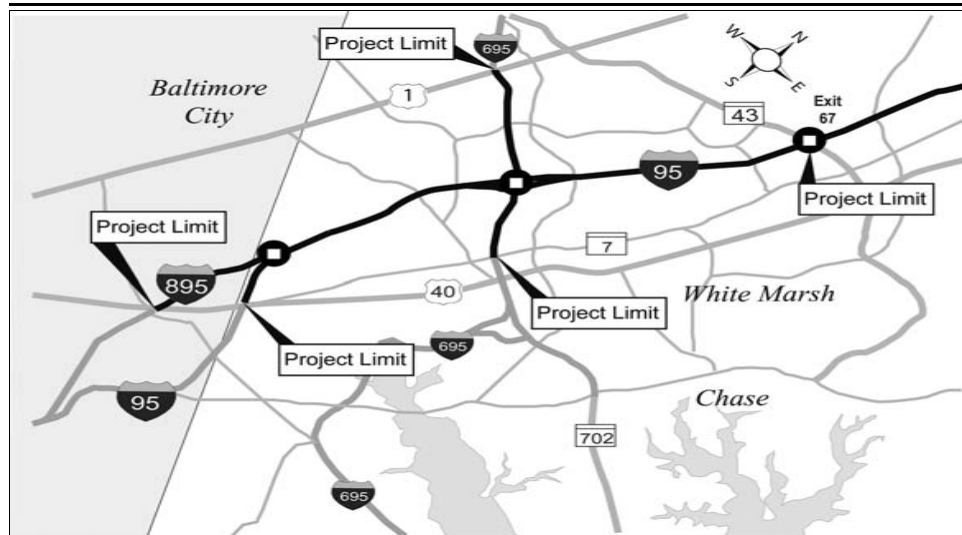
**MARYLAND TRANSPORTATION AUTHORITY**

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**MARYLAND TRANSPORTATION AUTHORITY  
CAPITAL PROGRAM SUMMARY  
(\$ MILLIONS)**

	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<b>SIX-YEAR <u>TOTAL</u></b>
<b><u>Construction Program</u></b>							
Major Projects	405.0	347.4	128.9	59.1	44.7	35.6	1,020.8
System Preservation Minor Projects	110.4	149.1	218.5	227.8	260.8	264.6	1,231.2
<b><u>Development &amp; Evaluation Program</u></b>	<u>1.6</u>	<u>0.7</u>	<u>4.8</u>	<u>4.9</u>	<u>-</u>	<u>-</u>	<u>12.0</u>
<b>TOTAL</b>	517.0	497.2	352.2	291.8	305.5	300.3	2,264.0

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**DESCRIPTION:** Construct two Express Toll Lanes in each direction from I-895 North to north of MD 43 (8.0 miles) and improve the interchanges with I-895, I-695 and MD 43. (BRAC related.)

**PURPOSE & NEED SUMMARY STATEMENT:** This segment of I-95 is the most congested section of I-95 in Maryland north of Baltimore City. Currently, I-95, south of MD 43, operates at Level of Service (LOS) F (lowest level of efficiency) during morning and evening rush hours. By 2025, this section is also expected to operate at LOS E (irregular flow with speed variations) and LOS F (lowest level of efficiency, frequent slowing required) during weekend peak periods. I-95 is the backbone of the east coast's transportation network and is essential to the movement of people and freight.

<input checked="" type="checkbox"/> Quality of Service	<input type="checkbox"/> Safety & Security
<input type="checkbox"/> System Preservation & Performance	<input type="checkbox"/> Environmental Stewardship
<input checked="" type="checkbox"/> Connectivity for Daily Life	

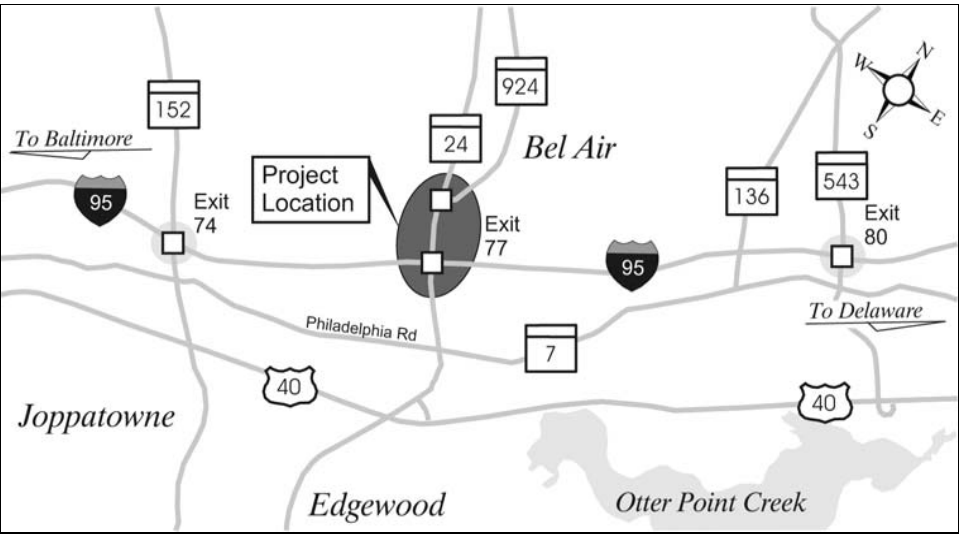
**EXPLANATION:** I-95, south of MD 43, experiences congestion during the morning and evening rush hours. By 2025, this section is also expected to experience congestion during weekend peak periods.

I-95 Interchange Improvements at MD 24 - Construction Program (Line 2)  
I-95 John F. Kennedy Memorial Highway - Resurfacing (Phase I)  
I-95 Ft. McHenry Tunnel - Moravia Road to the Tunnel Modifications - Construction Program (Line 6)

**STATUS:** Engineering, right-of-way acquisition and construction are underway.

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**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$46.6 million due to adding back I-695 Beltway unbidding project including the reconstruction of I-695 roadway at I-95.



**PROJECT:** I-95 John F. Kennedy Memorial Highway - MD 24 Interchange Improvements (Phase I)

**DESCRIPTION:** Constructed improvements to the I-95/MD 24 interchange, including upgrades to MD 24 and the reconstruction of the MD 24/MD 924/Tollgate Road intersection to a grade separated interchange. (BRAC related.)

**PURPOSE & NEED SUMMARY STATEMENT:** This project provides improved capacity, operation and safety for the I-95/MD 24 interchange and the MD 24/MD 924/Tollgate Road intersection, which is in close proximity and integral to the I-95/MD 24 interchange operation.

- STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:
- ☒ Quality of Service
  - ☐ System Preservation & Performance
  - ☐ Connectivity for Daily Life
  - ☒ Safety & Security
  - ☐ Environmental Stewardship

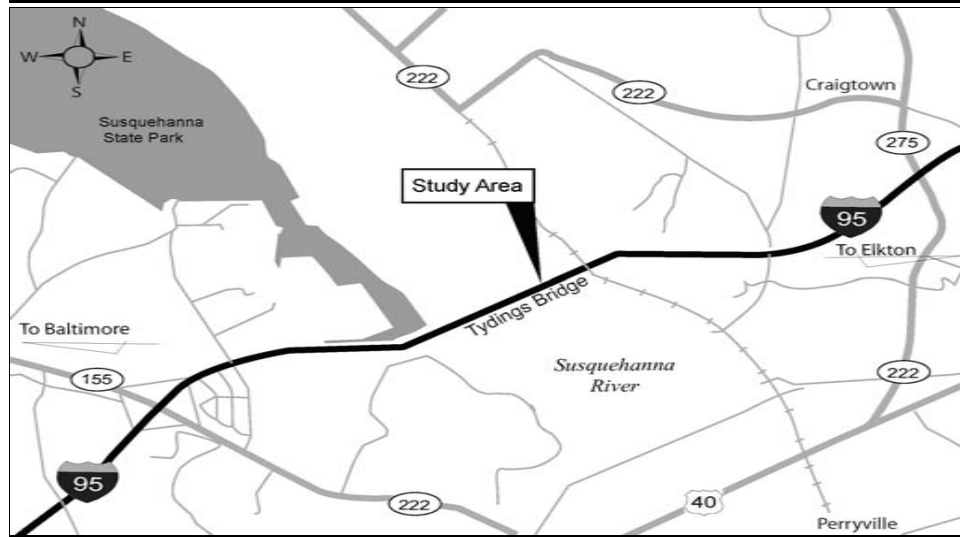
**EXPLANATION:** The project improves capacity and safety for the I-95/MD 24 interchange and the MD 24/MD 924/Tollgate Road intersection. This improvement addresses weaving movements on I-95 and MD 24 and improves traffic flow.

**ASSOCIATED IMPROVEMENTS:**  
I-95 Express Toll Lanes - Construction Program (Line 1)  
I-95 John F. Kennedy Memorial Highway - Resurfacing (Phase I) (Line 4)

**STATUS:** Open to service.

POTENTIAL FUNDING SOURCE:										
<input checked="" type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	9,951	8,520	1,431	0	0	0	0	0	1,431	0
Right-of-way	4,000	2,076	1,924	0	0	0	0	0	1,924	0
Construction	51,317	49,914	1,403	0	0	0	0	0	1,403	0
Total	65,268	60,510	4,758	0	0	0	0	0	4,758	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** I-95 John F. Kennedy Memorial Highway - Underwater Repairs at Tydings Bridge

**DESCRIPTION:** Rehabilitate pier foundations and provide pier scour protection.

**PURPOSE & NEED SUMMARY STATEMENT:** Pier foundations in the river exhibit wear and analysis shows scour protection is needed. This improvement will extend the useful life of the pier foundations.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |   |
|---|---|
| <input type="checkbox"/> Quality of Service                           | <input checked="" type="checkbox"/> Safety & Security |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship    |
| <input type="checkbox"/> Connectivity for Daily Life                  |   |

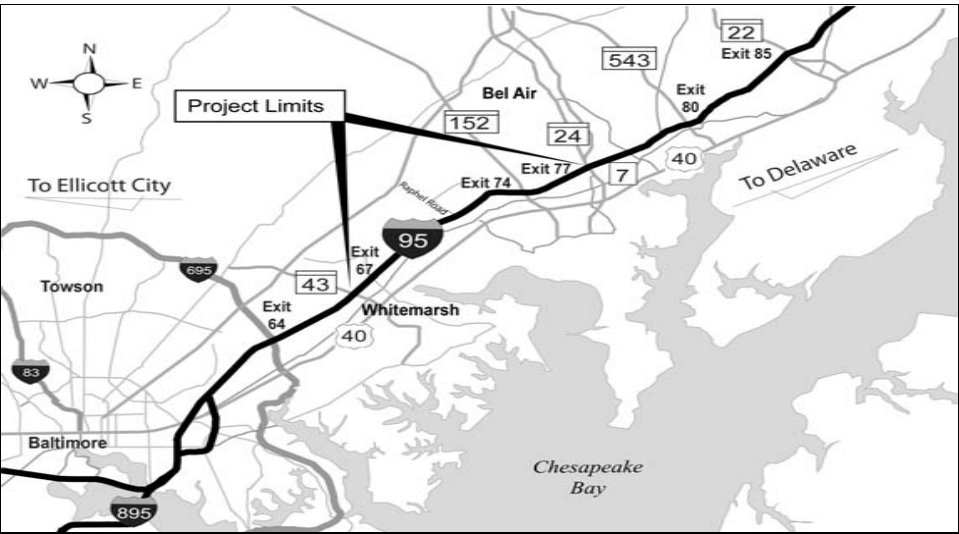
**ASSOCIATED IMPROVEMENTS:** None.

**EXPLANATION:** Pier foundations were found to have advanced wear and require scour protection.

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015.....	.....2016.....	.....2017.....	.....2018.....	0	0
Engineering	2,116	758	1,358	0	0	0	0	0	1,358	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	41,376	14,530	24,779	2,067	0	0	0	0	26,846	0
Total	43,492	15,288	26,137	2,067	0	0	0	0	28,204	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** I-95 John F. Kennedy Memorial Highway - Resurfacing (Phase I)

**DESCRIPTION:** Resurface I-95 northbound and southbound from MD 43 to the Maryland/Delaware state line. Phase I is I-95 from MD 43 to MD 24.

**PURPOSE & NEED SUMMARY STATEMENT:** The I-95 roadway north of MD 43 is in need of resurfacing. Phase I is I-95 from MD 43 to MD 24, Phase II will be MD 24 to the Tydings Bridge and Phase III will be from the Tydings Bridge to the Maryland/Delaware state line. Only Phase I is funded at this time.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
- ☒ System Preservation & Performance
- ☐ Connectivity for Daily Life
- ☐ Safety & Security
- ☐ Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

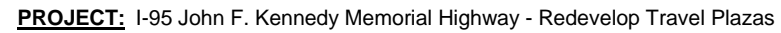
- I-95 Express Toll Lanes - Construction Program (Line 1)
- I-95 Interchange Improvements at MD 24 (Line 2)

**EXPLANATION:** The I-95 roadway is in need of resurfacing from MD 43 to the Maryland/Delaware state line (northbound and southbound). Phase I is I-95 from MD 43 to MD 24, Phase II will be MD 24 to the Tydings Bridge and Phase III will be from the Tydings Bridge to the Maryland/Delaware state line.

**STATUS:** Engineering is underway. Construction will begin in FY 2013.

POTENTIAL FUNDING SOURCE:					<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE	
	ESTIMATED COST	EXPEND THRU	CURRENT YEAR	BUDGET YEAR	FOR PLANNING PURPOSES ONLY						
	(\$000)	2012	2013	2014	.....2015.....	.....2016.....	.....2017.....	.....2018.....			
Planning	0	0	0	0	0	0	0	0	0	0	
Engineering	125	102	19	4	0	0	0	0	23	0	
Right-of-way	0	0	0	0	0	0	0	0	0	0	
Construction	13,353	0	5,712	7,641	0	0	0	0	13,353	0	
Total	13,478	102	5,731	7,645	0	0	0	0	13,376	0	
Federal-Aid	0	0	0	0	0	0	0	0	0	0	

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Added to Construction Program from Systems Preservations Program.

**CONSTRUCTION PROGRAM**

**PURPOSE & NEED SUMMARY STATEMENT:** The Maryland House and Chesapeake House Travel Plazas have aged to the point in which redesign and/or reconstruction is necessary to adequately meet public demand over the next 30 years.

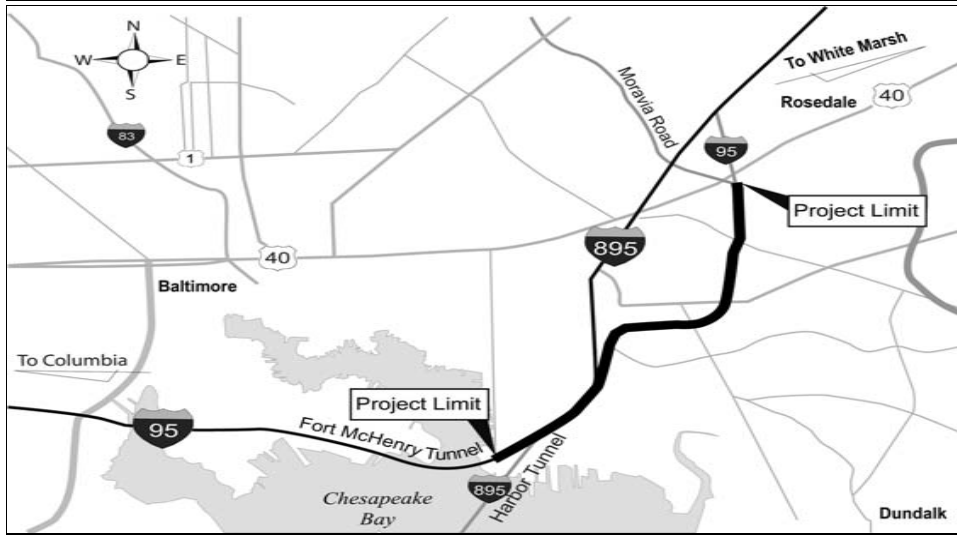
<input type="checkbox"/>	Quality of Service	<input type="checkbox"/>	Safety & Security
<input checked="" type="checkbox"/>	System Preservation & Performance	<input type="checkbox"/>	Environmental Stewardship
<input type="checkbox"/>	Connectivity for Daily Life		

## None.

**STATUS:** Right-of-way acquisition and construction are underway.

POTENTIAL FUNDING SOURCE: ☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

2055



**PROJECT:** I-95 Fort McHenry Tunnel - Moravia Road to the Tunnel Modifications

**DESCRIPTION:** The project limits extend from the southern end of the I-95 ETL Project (Moravia Road) to the Fort McHenry Tunnel Toll Plaza. Phase 1 modifications from Moravia Road to Eastern Avenue include grinding and overlaying to provide four continuous through lanes (lane continuity); Phase 2 from Eastern Avenue to Fort McHenry Tunnel includes re-striping to provide four continuous through lanes (lane continuity). Construction funding is only included for Phase 1 southbound.

**PURPOSE & NEED SUMMARY STATEMENT:** The existing typical section of I-95 from Moravia Road to the FMT is as follows: three lanes per direction from I-895 to Moravia Road; four lanes per direction from Moravia Road to O'Donnell Street; three lanes per direction from O'Donnell Street to Boston Street; and four lanes per direction from Boston Street to the Fort McHenry Tunnel. This project will provide southbound lane continuity from the southern limits of the ETL's to the tunnel.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

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|--|--|
| <input checked="" type="checkbox"/> Quality of Service     | <input type="checkbox"/> Safety & Security         |
| <input type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life       |  |

**EXPLANATION:** This project will provide southbound lane continuity from the southern limits of the ETL's to the Fort McHenry Tunnel. This will improve traffic flow on this segment of I-95.

**ASSOCIATED IMPROVEMENTS:**

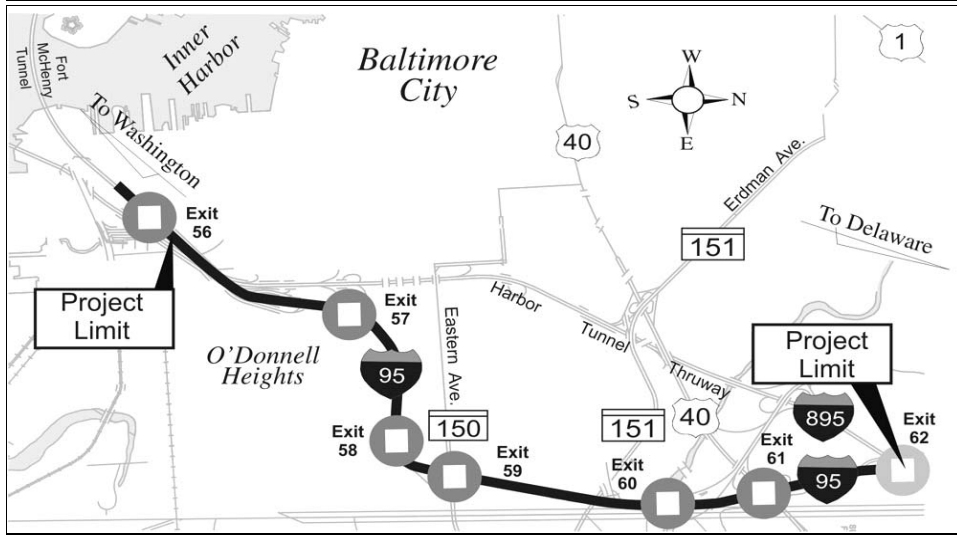
- I-95 Express Toll Lanes - Construction Program (Line 1)
- I-95 Ft. McHenry Tunnel - Rehabilitate North of Tunnel - Construction Program (Line 7)
- I-95 Ft. McHenry Tunnel - Rehabilitate Concrete Tunnel Deck - Construction Program (Line 9)

**STATUS:** Phase 1 southbound is open to service.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	555	555	0	0	.....2015....	.....2016....	.....2017....	.....2018....	0	0
Engineering	1,494	1,443	51	0	0	0	0	0	51	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	12,250	10,382	1,868	0	0	0	0	0	1,868	0
Total	14,299	12,380	1,919	0	0	0	0	0	1,919	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.





**PROJECT:** I-95 Fort McHenry Tunnel - Rehabilitate Bridge, Roadway and Signage North of Tunnel

**DESCRIPTION:** Rehabilitated I-95 north of the Tunnel to the I-895 split. Included resurfacing of 34 bridge decks and related structural repairs; resurfacing and safety improvements of roadways; replacing and upgrading of existing signing; and inspecting and repairing of high mast light poles and sign structures.

**PURPOSE & NEED SUMMARY STATEMENT:** Bridge decks and roadways have been rehabilitated and resurfaced through this project. Signs and other safety features have been upgraded to the latest standards.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** Bridge decks and roadways have been rehabilitated and resurfaced through this project. Signs and other safety features have been upgraded to the latest standards.

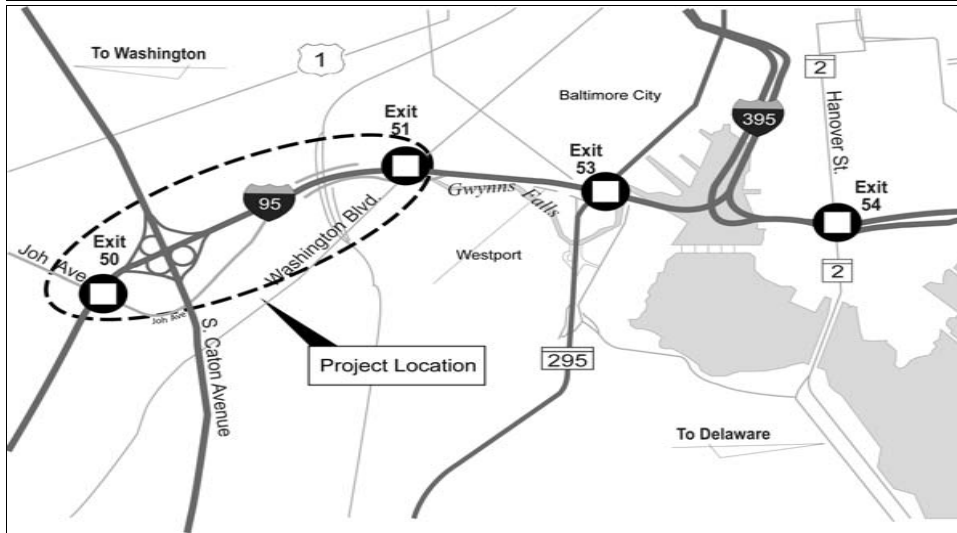
**ASSOCIATED IMPROVEMENTS:**

I-95 Ft. McHenry Tunnel - Moravia Road to the Tunnel Modifications - Construction Program (Line 6)  
I-95 Ft. McHenry Tunnel - Rehabilitate Concrete Tunnel Deck - Construction Program (Line 9)

**STATUS:** Open to service.

POTENTIAL FUNDING SOURCE:										
				<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015....	.....2016....	.....2017....	.....2018....	0	0
Engineering	6,391	6,391	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	33,999	33,908	91	0	0	0	0	0	91	0
Total	40,390	40,299	91	0	0	0	0	0	91	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** I-95 Fort McHenry Tunnel - Rehabilitate Bridge, Roadway and Signage from Joh Avenue to Washington Boulevard

**DESCRIPTION:** Rehabilitated I-95 South of the Fort McHenry Tunnel. Work included overlaying the roadway section, excluding bridge decks, between Joh Avenue and Washington Boulevard and replacement and upgrades of existing signing; miscellaneous safety improvements; and inspection and repair of high mast light poles and sign structures.

**PURPOSE & NEED SUMMARY STATEMENT:** Roadway has not been resurfaced since its opening in 1976 and it exhibits various degrees of wear. Signing, lighting and other safety features have been upgraded to the latest standards.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

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|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** Roadway exhibits various degrees of wear. Signing, lighting and other safety features need to be upgraded to the latest standards.

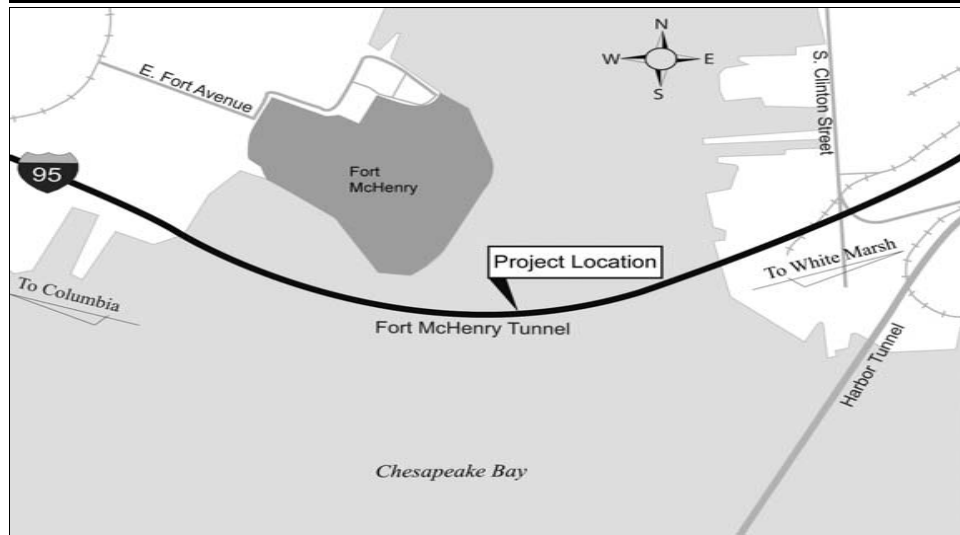
**ASSOCIATED IMPROVEMENTS:**

I-95 Ft. McHenry Tunnel - Rehabilitate Concrete Tunnel Deck - Construction Program (Line 9)  
I-95/I-395 Fort McHenry Tunnel - Joint Replacement, Zone Painting and Other Misc. Repairs South of Tunnel - Construction Program (Line 10)

**STATUS:** Open to service.

POTENTIAL FUNDING SOURCE:										
					<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
					.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	4,177	1,833	2,344	0	0	0	0	0	2,344	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	33,306	32,383	923	0	0	0	0	0	923	0
Total	37,483	34,216	3,267	0	0	0	0	0	3,267	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** I-95 Fort McHenry Tunnel - Rehabilitate Concrete Tunnel Deck

**DESCRIPTION:** Rehabilitate the tunnel deck for all four bores.

**PURPOSE & NEED SUMMARY STATEMENT:** The bottom of the tunnel deck is showing signs of wear throughout the length of the tunnel. This improvement will significantly increase the useful life of the tunnel deck.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** The tunnel deck shows signs of wear. This improvement will extend the useful life of the tunnel deck.

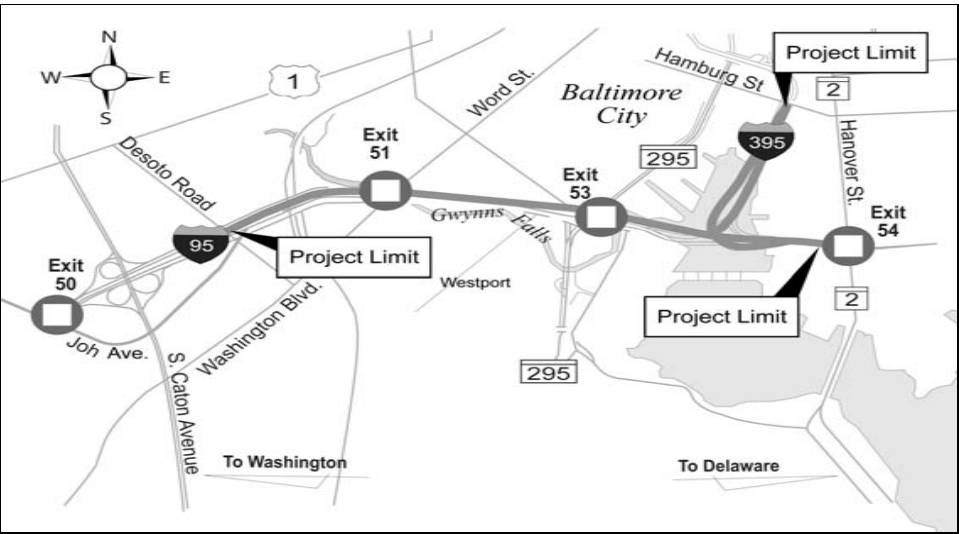
**ASSOCIATED IMPROVEMENTS:**

- I-95 Ft. McHenry Tunnel - Moravia Road to the Tunnel Modifications - Construction Program (Line 6)
- I-95 Ft. McHenry Tunnel - Rehabilitate North of Tunnel - Construction Program (Line 7)
- I-95 Ft. McHenry Tunnel - Rehab. from Joh Ave. to Washington Blvd. - Construction Program (Line 8)
- I-95/I-395 Fort McHenry Tunnel - Joint Replacement, Zone Painting South of Tunnel (Line 10)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:										
					<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015....	.....2016....	.....2017....	.....2018....	0	0
Engineering	1,160	561	409	190	0	0	0	0	599	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	24,075	12,654	5,777	5,644	0	0	0	0	11,421	0
Total	25,235	13,215	6,186	5,834	0	0	0	0	12,020	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$8.9 million due to the addition of Contract C needed to complete unanticipated repairs uncovered during construction of Contracts A & B.



**PROJECT:** I-95/I-395 Fort McHenry Tunnel - Repair Superstructure, Replace Joints, Zone Paint and Other Miscellaneous Repairs South of Tunnel

**DESCRIPTION:** Repair superstructure, replace joints, add drainage troughs and paint fifty-one bridges south of the Fort McHenry Tunnel.

**PURPOSE & NEED SUMMARY STATEMENT:** Superstructure and paint exhibit various degrees of wear. This improvement will correct current wear and extend the useful life of the superstructure. The joints are near the end of their useful life and need to be replaced.

STATE GOALS : Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
- ☒ System Preservation & Performance
- ☐ Connectivity for Daily Life
- ☐ Safety & Security
- ☐ Environmental Stewardship

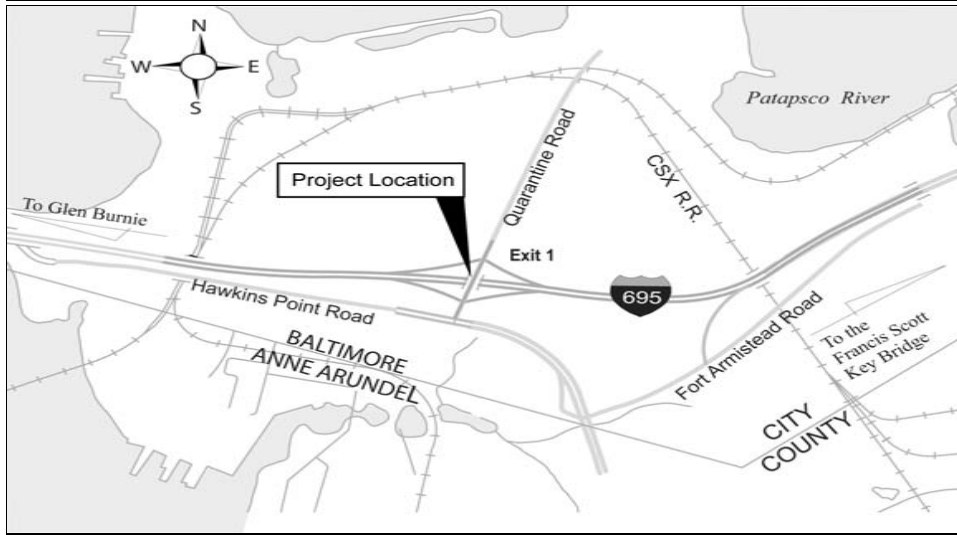
**EXPLANATION:** Repairs are needed to correct current wear and to prevent further wear of the superstructure and paint. The joints are nearing the end of their useful life and need to be replaced.

**ASSOCIATED IMPROVEMENTS:**  
I-95 Ft. McHenry Tunnel - Rehab. from Joh Ave. to Washington Blvd. - Construction Program (Line 8)  
I-95 Ft. McHenry Tunnel - Rehabilitate Concrete Tunnel Deck - Construction Program (Line 9)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:					<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL				PROJECTED CASH REQUIREMENTS				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST	EXPEND THRU	CURRENT YEAR	BUDGET YEAR	FOR PLANNING PURPOSES ONLY					
	(\$000)	2012	2013	2014	.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	10,412	1,837	385	5,250	2,940	0	0	0	8,575	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	43,451	2,106	2,615	9,252	9,297	9,297	9,297	1,587	41,345	0
Total	53,863	3,943	3,000	14,502	12,237	9,297	9,297	1,587	49,920	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$19.5 million due to increased scope resulting from the addition of repairs and painting of forty-four bridges and the addition of drainage troughs under the joints.



**PROJECT:** MD 695 Francis Scott Key Bridge - Improve Interchange at Quarantine Road

**DESCRIPTION:** Improvements to Quarantine Road interchange included widening of the ramps and upgraded traffic signals; permanent closure of the ramp from Quarantine Road to the Outer Loop and redirection of traffic to the Fort Armistead ramp; widening of the approach roadways and restriping the Quarantine Road bridge to four lanes; a new storm water management facility to control storm water pollution; new roadway signing, lighting, pavement markings, landscaping and reforestation.

**PURPOSE & NEED SUMMARY STATEMENT:** This project has improved safety by addressing constraints at the existing MD 695 - Quarantine Road interchange that result in ramp queues that extend onto MD 695.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |  |   |
|--|---|
| <input type="checkbox"/> Quality of Service                | <input checked="" type="checkbox"/> Safety & Security |
| <input type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship    |
| <input type="checkbox"/> Connectivity for Daily Life       |   |

**EXPLANATION:** This project has improved safety by addressing constraints at the existing MD 695 - Quarantine Road interchange. This improvement eliminated existing queues, which extended onto mainline MD 695.

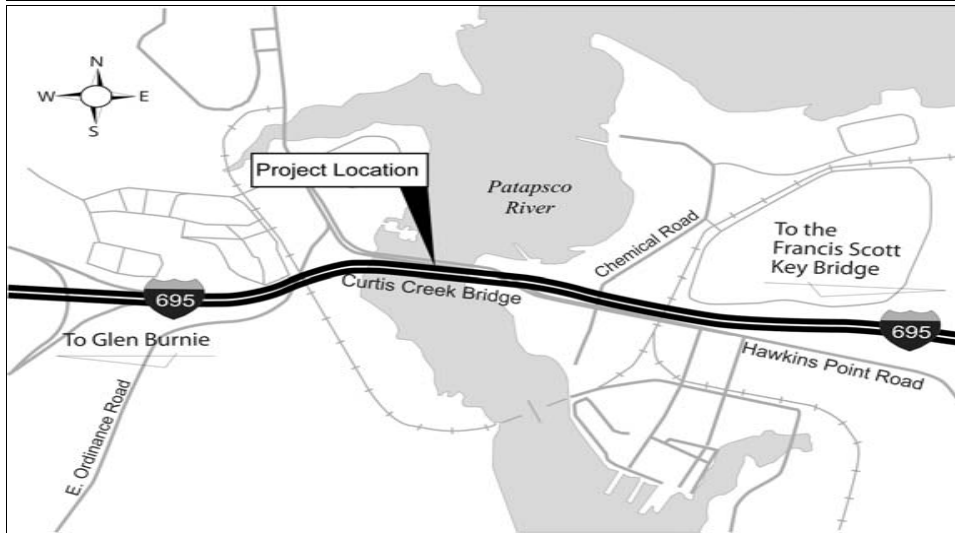
**ASSOCIATED IMPROVEMENTS:**

MD 695 Francis Scott Key Bridge - Replace Curtis Creek Grid Deck - Construction Program (Line 12)  
MD 695 Francis Scott Key Bridge - Repair Approach Spans and Paint Fascia Beams - Construction Program (Line 13)

**STATUS:** Open to service.

POTENTIAL FUNDING SOURCE:										
					<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER		
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015....	.....2016....	.....2017....	.....2018....	0	0
Engineering	4,984	4,984	0	0	0	0	0	0	0	0
Right-of-way	4,750	4,750	0	0	0	0	0	0	0	0
Construction	6,215	5,180	1,035	0	0	0	0	0	1,035	0
Total	15,949	14,914	1,035	0	0	0	0	0	1,035	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** MD 695 Francis Scott Key Bridge - Replace Curtis Creek Grid Deck

**DESCRIPTION:** Replaced the steel grid deck of the bascule (movable) span, and retrofitted stringers and floor beams.

**PURPOSE & NEED SUMMARY STATEMENT:** This improvement addressed existing wear and extended the useful life of the bridge.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** This improvement addressed existing wear and extended the useful life of the bridge.

**ASSOCIATED IMPROVEMENTS:**

MD 695 Francis Scott Key Bridge - Improve Interchange at Quarantine Road - Construction Program (Line 11)  
MD 695 Francis Scott Key Bridge - Repair Approach Spans and Paint Fascia Beams - Construction Program (Line 13)

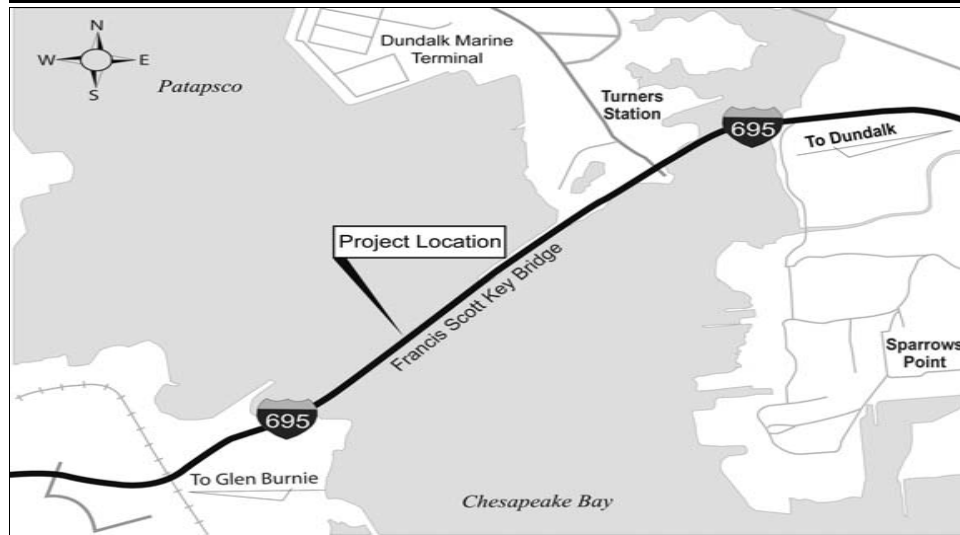
**STATUS:** Open to service.

**POTENTIAL FUNDING SOURCE:**

☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,500	812	688	0	0	0	0	0	688	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	12,947	10,936	2,011	0	0	0	0	0	2,011	0
Total	14,447	11,748	2,699	0	0	0	0	0	2,699	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** MD 695 Francis Scott Key Bridge - Clean and Paint Approach Spans to Francis Scott Key Bridge and Miscellaneous Repairs

**DESCRIPTION:** Clean, paint and repair the approach spans.

**PURPOSE & NEED SUMMARY STATEMENT:** The approach spans exhibit various degrees of wear. This improvement will address existing deterioration and prevent further deterioration.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** The approach spans exhibit various degrees of wear. This improvement will address existing deterioration and prevent further deterioration.

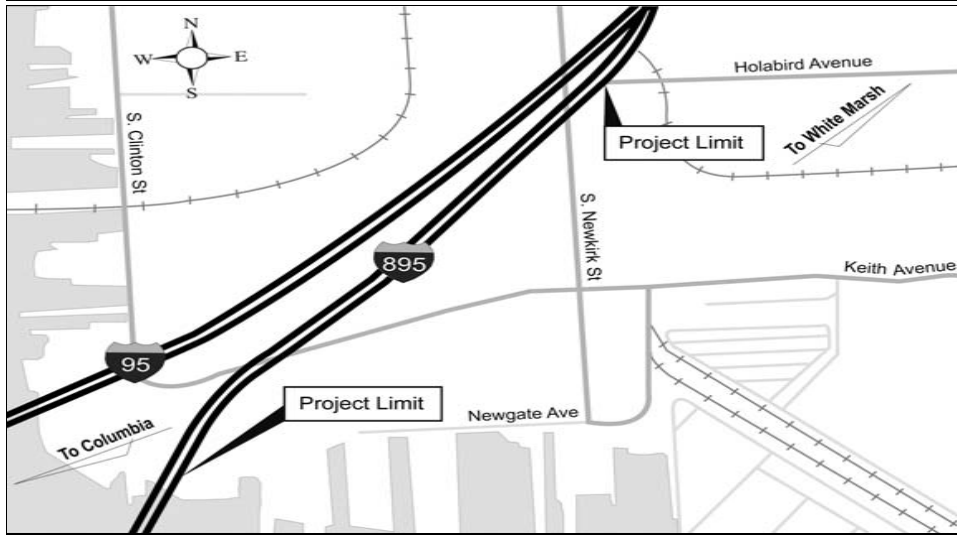
**ASSOCIATED IMPROVEMENTS:**

- MD 695 Francis Scott Key Bridge - Improve Interchange at Quarantine Road - Construction Program (Line 11)
- MD 695 Francis Scott Key Bridge - Replace Curtis Creek Grid Deck - Construction Program (Line 12)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015....	.....2016....	.....2017....	.....2018....	0	0
Engineering	457	238	219	0	0	0	0	0	219	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	6,715	3,021	3,694	0	0	0	0	0	3,694	0
Total	7,172	3,259	3,913	0	0	0	0	0	3,913	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct

**DESCRIPTION:** Replace the Canton Viaduct which is the elevated portion of the roadway from the north portal entrance to Holabird Avenue.

**PURPOSE & NEED SUMMARY STATEMENT:** The bridge deck on this structure has not been renovated since 1985. Testing has indicated that portions of the viaduct are nearing the end of their life cycle. The bridge deck, substructure and superstructure are experiencing various degrees of wear. The Canton Viaduct is one of the MDTA's Structurally Deficient bridges.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** The bridge deck, substructure and superstructure are experiencing various degrees of wear. The Canton Viaduct is one of the MDTA's Structurally Deficient bridges.

**ASSOCIATED IMPROVEMENTS:**

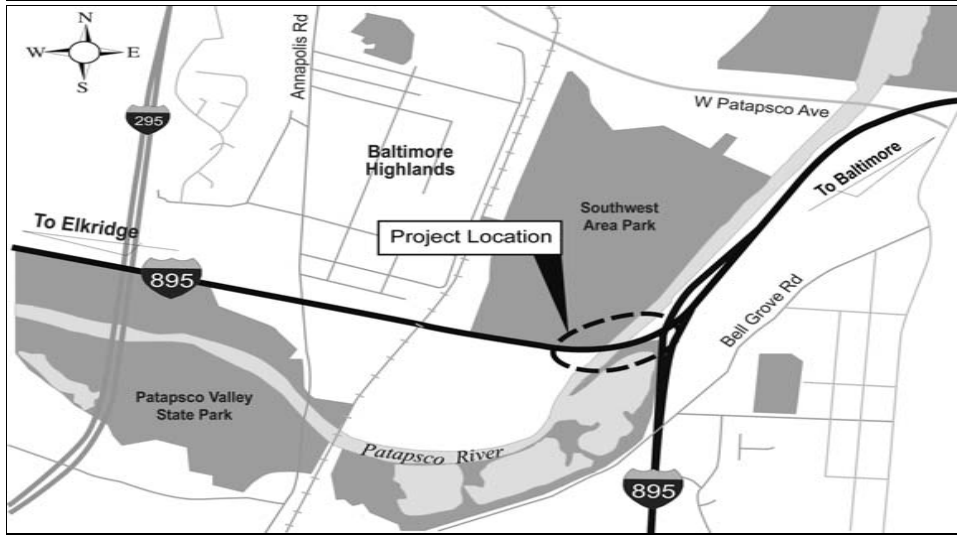
- I-895 Baltimore Harbor Tunnel Thruway - Rehabilitate Patapsco Flats Bridge - Construction Program (Line 15)
- I-895 Baltimore Harbor Tunnel Thruway - Replace Various Bridge Decks - Construction Program (Line 16)

**STATUS:** Engineering is underway. Right-of-way acquisition is to begin in FY 2013. Construction is to begin in FY 2015.

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.

POTENTIAL FUNDING SOURCE:										
				<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015.....	.....2016.....	.....2017.....	.....2018.....	0	0
Engineering	5,137	5,114	23	0	0	0	0	0	23	0
Right-of-way	10,920	0	5,460	5,460	0	0	0	0	10,920	0
Construction	162,711	59	0	0	24,526	34,811	35,215	34,050	128,602	34,050
Total	178,768	5,173	5,483	5,460	24,526	34,811	35,215	34,050	139,545	34,050
Federal-Aid	0	0	0	0	0	0	0	0	0	0





**PROJECT:** I-895 Baltimore Harbor Tunnel Thruway - Rehabilitate Patapsco Flats Bridge Substructure

**DESCRIPTION:** Repair worn concrete of the pier bearing pedestals, caps, and columns.

**PURPOSE & NEED SUMMARY STATEMENT:** Pier bearing pedestals, caps, and columns exhibit various degrees of wear. This improvement will address existing wear and prevent further wear.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** Pier bearing pedestals, caps, and columns exhibit various degrees of wear. This improvement will address existing wear and prevent further wear.

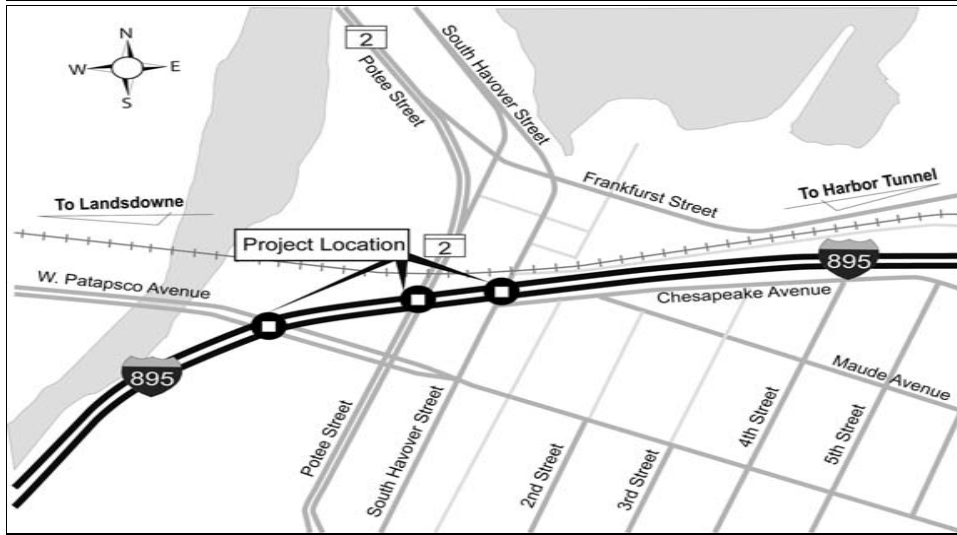
**ASSOCIATED IMPROVEMENTS:**

I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct - Construction Program (Line 14)  
I-895 Baltimore Harbor Tunnel Thruway - Replace Various Bridge Decks - Construction Program (Line 16)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:										
				<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015.....	.....2016.....	.....2017.....	.....2018.....	0	0
Engineering	778	602	176	0	0	0	0	0	176	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	2,708	1,500	1,102	106	0	0	0	0	1,208	0
Total	3,486	2,102	1,278	106	0	0	0	0	1,384	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** I-895 Baltimore Harbor Tunnel Thruway - Replace Various Bridge Decks

**DESCRIPTION:** Replace the bridge decks on the South Hanover Street, Potee Street and West Patapsco Avenue bridges and repair identified structural defects.

**PURPOSE & NEED SUMMARY STATEMENT:** These bridge decks are reaching the end of their useful life and need to be replaced.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** These bridge decks are reaching the end of their useful life and need to be replaced.

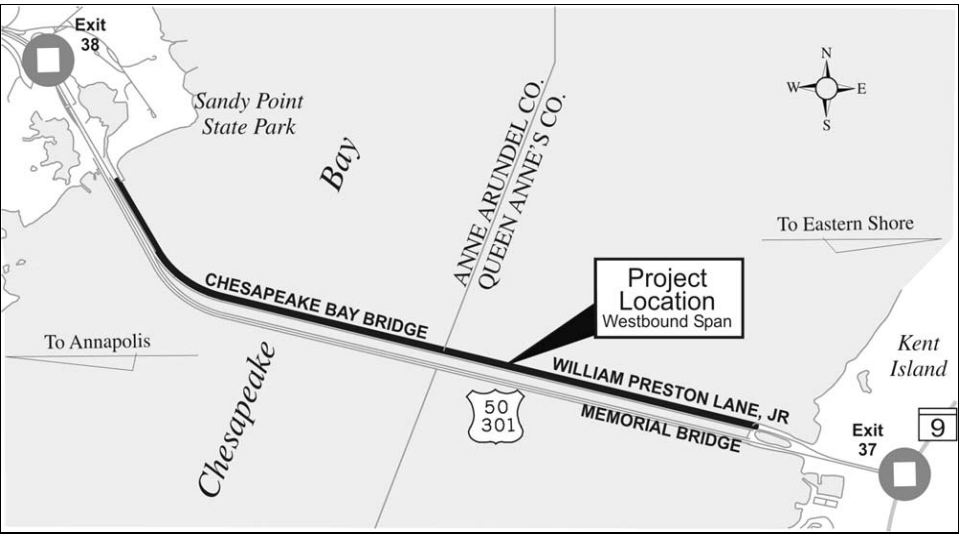
**ASSOCIATED IMPROVEMENTS:**

I-895 Baltimore Harbor Tunnel Thruway - Replace Canton Viaduct - Construction Program (Line 14)  
I-895 Baltimore Harbor Tunnel Thruway - Rehabilitate Patapsco Flats Bridge - Construction Program (Line 15)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:										
				<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015.....	.....2016.....	.....2017.....	.....2018.....	0	0
Engineering	1,011	965	46	0	0	0	0	0	46	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,827	0	3,312	7,215	1,300	0	0	0	11,827	0
Total	12,838	965	3,358	7,215	1,300	0	0	0	11,873	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$1.8 million due to scope changes and based on actual bid.



**PROJECT:** US 50/301 Bay Bridge - Clean and Paint Structural Steel Westbound Bridge

**DESCRIPTION:** Partial painting of all structural steel surfaces on the westbound bridge of approximately 3 million square feet including girder spans, deck trusses, overhead truss members and suspension spans. Construction funding only included for Phases 1 (painting west girder spans), 2 (cleaning and painting the suspension towers, spot painting the remainder of the suspension span and zone painting the deck truss spans) and 3 (cleaning and painting the deck truss spans and steel rail posts and rehabilitating the steel barrier). Phase 4 (cleaning and painting the east girder and through truss spans) construction funding will be addressed as engineering progresses.

**PURPOSE & NEED SUMMARY STATEMENT:** The bridge has not been fully painted since it opened in 1973. Limited spot painting has been done as needed. The paint is showing signs of wear. This improvement will protect the steel components of the bridge and extend the useful life.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
- ☒ System Preservation & Performance
- ☐ Connectivity for Daily Life
- ☐ Safety & Security
- ☐ Environmental Stewardship

**EXPLANATION:** The paint is showing signs of wear. This improvement will address existing wear and extend the useful life of the steel components of the bridge.

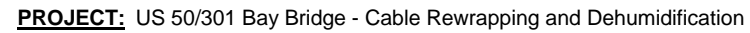
**ASSOCIATED IMPROVEMENTS:**

US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 18)  
US 50/301 Bay Bridge - Repair Substructure Westbound Bridge - Construction Program (Line 19)  
US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck - Development and Evaluation Program (Line 29)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:					<input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER					
PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	2,786	273	2,448	60	5	0	0	0	2,513	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	81,889	15,440	40,727	22,042	3,680	0	0	0	66,449	0
Total	84,675	15,713	43,175	22,102	3,685	0	0	0	68,962	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$43.0 million due to the addition of construction funding for Phase 3.

**CONSTRUCTION PROGRAM**

**PURPOSE & NEED SUMMARY STATEMENT:** The existing suspension cable wrapping is reaching the end of its useful life. This improvement will prevent cable corrosion.

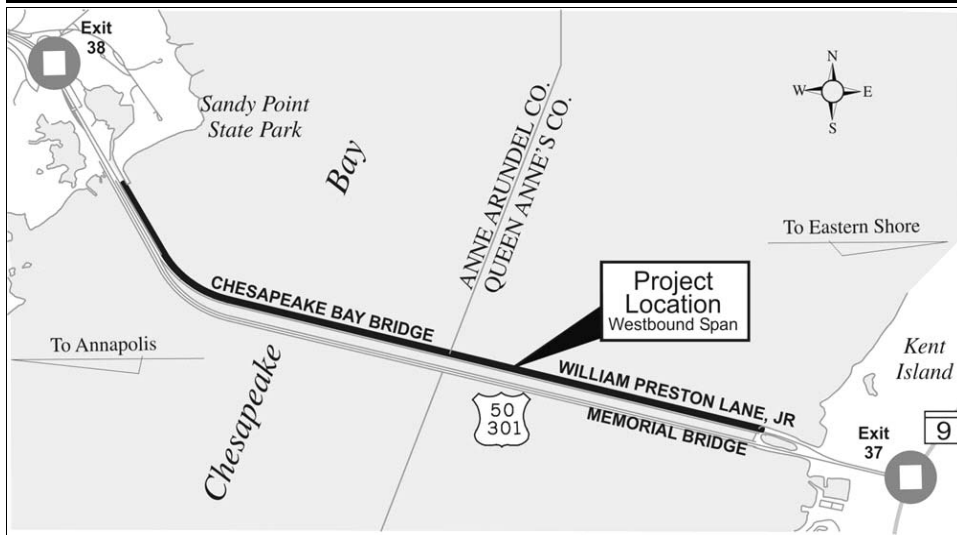
<input type="checkbox"/>	Quality of Service	<input type="checkbox"/>	Safety & Security
<input checked="" type="checkbox"/>	System Preservation & Performance	<input type="checkbox"/>	Environmental Stewardship
<input type="checkbox"/>	Connectivity for Daily Life		

**ASSOCIATED IMPROVEMENTS:**

US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Construction Program (Line 17)  
US 50/301 Bay Bridge - Repair Substructure Westbound Bridge - Construction Program (Line 19)  
US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck - Development and Evaluation Program  
(Line 29)

**STATUS:** Engineering and construction are underway.

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$8.8 million based on actual bid price.



**PROJECT:** US 50/301 Bay Bridge - Repair Substructure Westbound Bridge

**DESCRIPTION:** System preservation work consisting of repairing wear to concrete piles and pile caps and replacing missing and damaged pile jackets on the east and west approach spans of the westbound bridge.

**PURPOSE & NEED SUMMARY STATEMENT:** Piles and pile caps exhibit various degrees of wear. This improvement will address existing wear and extend the useful life of the piles on the east and west approach spans of the westbound bridge.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**EXPLANATION:** Repair wear to concrete piles and pile caps and replace missing and damaged pile jackets on the east and west approach spans of the westbound bridge.

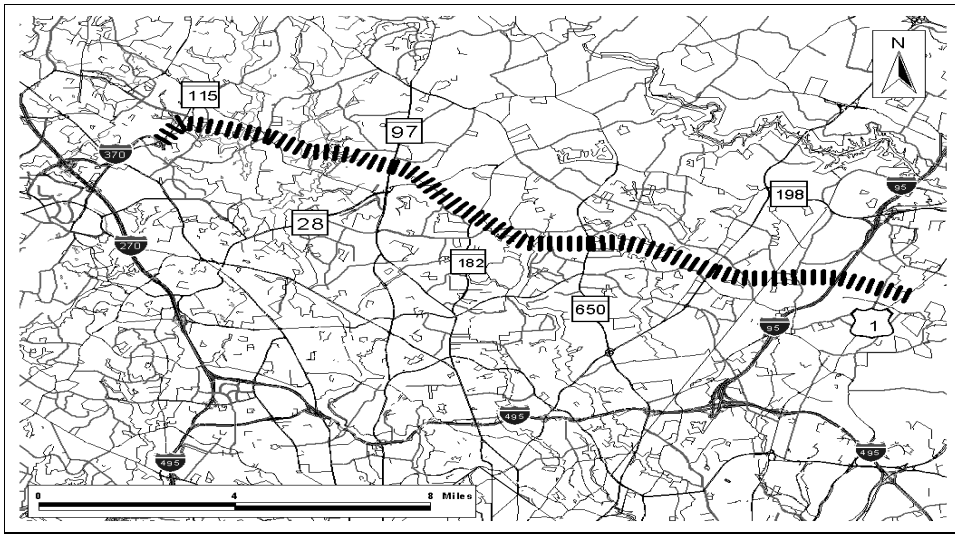
**ASSOCIATED IMPROVEMENTS:**

US 50/301 Bay Bridge - Clean and Paint Structural Steel WB Bridge - Construction Program (Line 17)  
 US 50/301 Bay Bridge - Cable Rewrapping and Dehumidification - Construction Program (Line 18)  
 US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck - Development and Evaluation Program (Line 29)

**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:										
				<input type="checkbox"/> SPECIAL	<input type="checkbox"/> FEDERAL	<input type="checkbox"/> GENERAL	<input checked="" type="checkbox"/> OTHER			
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015.....	.....2016.....	.....2017.....	.....2018.....	0	0
Engineering	1,001	725	276	0	0	0	0	0	276	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	4,549	2,885	1,664	0	0	0	0	0	1,664	0
Total	5,550	3,610	1,940	0	0	0	0	0	1,940	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** MD 200, InterCounty Connector

**DESCRIPTION:** Construction of a new east-west, multi-modal highway in Montgomery and Prince George's counties between I-270 and I-95/US 1.

**PURPOSE & NEED SUMMARY STATEMENT:** This transportation project is needed to increase community mobility and safety; to support development and local land use plans; to improve access between economic growth centers; to advance homeland security measures; and to help restore the natural, human and cultural environments from past development impacts in the project area.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Quality of Service          | <input checked="" type="checkbox"/> Safety & Security         |
| <input type="checkbox"/> System Preservation & Performance      | <input checked="" type="checkbox"/> Environmental Stewardship |
| <input checked="" type="checkbox"/> Connectivity for Daily Life |   |

**EXPLANATION:** The project increases community mobility and safety; supports development and local land use plans; improves access between economic growth centers; advances homeland security measures; and helps restore the natural, human and cultural environments from past development impacts in the project area.

**ASSOCIATED IMPROVEMENTS:**

US 29 Interchanges (Lines 10, 11 Montgomery County - SHA)  
 MD 28/MD 198, MD 97 to I-95 (Line 12, Montgomery County - SHA)  
 I-95/Contee Road Interchange (Line 1, Prince George's County - SHA)  
 MD 201 Extended/US 1, I-95/I-495 to N. of Muirkirk Road (Line 21, Prince George's County - SHA)

**STATUS:** Planning and engineering are complete. Right-of-way and construction are underway. Contract A from I-370 to MD 97 was opened to traffic in February 2011. Contracts B and C, extending to I-95, opened to traffic in November 2011. Construction is underway for Contracts D and E extending to I-95/US 1.

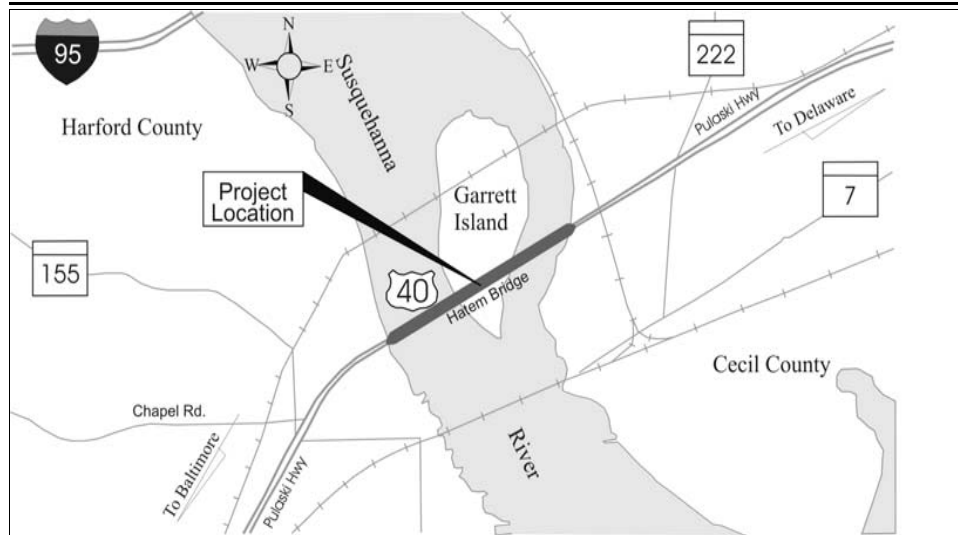
**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost decreased by \$26.0 million due to the reduction of construction contingencies.

**POTENTIAL FUNDING SOURCE:**

☒ SPECIAL ☒ FEDERAL ☒ GENERAL ☒ OTHER

PHASE	TOTAL		CURRENT YEAR	BUDGET YEAR	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	28,889	28,889	0	0	0	0	0	0	0	0
Engineering	75,181	75,181	0	0	0	0	0	0	0	0
Right-of-way	260,656	242,789	10,519	7,348	0	0	0	0	17,867	0
Construction	2,034,383	1,829,527	102,258	99,932	1,333	1,333	0	0	204,856	0
Total	2,399,109	2,176,386	112,777	107,280	1,333	1,333	0	0	222,723	0
Federal-Aid	19,270	19,270	0	0	0	0	0	0	0	0

The Federal aid share of \$19.27 million is also included in SHA's portion of the CTP.  
 1982



**PROJECT:** US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs

**DESCRIPTION:** Rehabilitate pier foundations with advanced wear and address pier scour protection.

**PURPOSE & NEED SUMMARY STATEMENT:** Pier foundations in the river exhibit wear and analysis shows scour protection is needed. This improvement will extend the useful life of the pier foundations.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
  - ☒ System Preservation & Performance
  - ☐ Connectivity for Daily Life
  - ☐ Safety & Security
  - ☐ Environmental Stewardship

**ASSOCIATED IMPROVEMENTS:**

US 40 Thomas J. Hatem Memorial Bridge - Clean and Paint Structural Steel - Construction Program  
(Line 22)

**EXPLANATION:** Pier foundations have advanced wear and require scour protection. This improvement will address existing wear and prevent further wear.

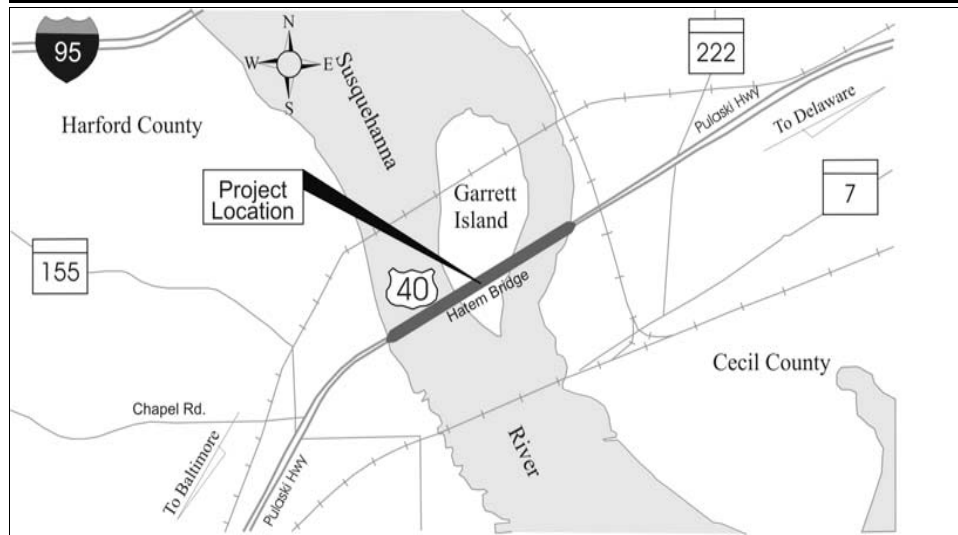
**STATUS:** Engineering and construction are underway.

POTENTIAL FUNDING SOURCE:

- |                          |         |                          |         |                          |         |                                     |       |
|--------------------------|---------|--------------------------|---------|--------------------------|---------|-------------------------------------|-------|
| <input type="checkbox"/> | SPECIAL | <input type="checkbox"/> | FEDERAL | <input type="checkbox"/> | GENERAL | <input checked="" type="checkbox"/> | OTHER |
|--------------------------|---------|--------------------------|---------|--------------------------|---------|-------------------------------------|-------|

[illegible]

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.



**PROJECT:** US 40 Thomas J. Hatem Memorial Bridge - Clean and Paint Structural Steel

**DESCRIPTION:** Paint structural members throughout the bridge.

**PURPOSE & NEED SUMMARY STATEMENT:** Bridge has areas of paint wear. This improvement will address existing paint wear and extend the useful life of the structural steel.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**ASSOCIATED IMPROVEMENTS:**

US 40 Thomas J. Hatem Memorial Bridge - Underwater Repairs - Construction Program (Line 21)

**EXPLANATION:** Bridge has paint wear. This improvement will address existing wear and prevent further wear.

**STATUS:** Engineering and construction are underway.

**POTENTIAL FUNDING SOURCE:**

- ☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	100	66	34	0	0	0	0	0	34	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	8,511	6,561	1,950	0	0	0	0	0	1,950	0
Total	8,611	6,627	1,984	0	0	0	0	0	1,984	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.





**PROJECT:** US 301 Harry W. Nice Bridge - Clean and Paint Structural Steel and Miscellaneous Structural Repairs

**DESCRIPTION:** Spot paint as required throughout the full length of the bridge and zone paint at locations of roadway joints. Repair miscellaneous structural elements.

**PURPOSE & NEED SUMMARY STATEMENT:** Last zone paint completed was on the truss towers in 2002. Paint on many locations throughout the bridge has wear. This improvement will extend the useful life of the structural steel.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |   |  |
|---|--|
| <input type="checkbox"/> Quality of Service                           | <input type="checkbox"/> Safety & Security         |
| <input checked="" type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship |
| <input type="checkbox"/> Connectivity for Daily Life                  |  |

**ASSOCIATED IMPROVEMENTS:**

US 301 Harry W. Nice Memorial Bridge - Improvement Study - Development and Evaluation Program (Line 28)

**EXPLANATION:** Paint throughout the bridge has wear. This improvement will address existing wear and prevent further wear.

**STATUS:** Engineering is underway. Construction is to begin in FY 2014.

POTENTIAL FUNDING SOURCE: <input type="checkbox"/> SPECIAL <input type="checkbox"/> FEDERAL <input type="checkbox"/> GENERAL <input checked="" type="checkbox"/> OTHER										
PHASE	TOTAL ESTIMATED COST (\$000)	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
Planning	0	0	0	0	.....2015.....	.....2016.....	.....2017.....	.....2018.....	0	0
Engineering	537	495	42	0	0	0	0	0	42	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	14,255	0	0	7,149	7,106	0	0	0	14,255	0
Total	14,792	495	42	7,149	7,106	0	0	0	14,297	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$1.1 million due to additional structural rehabilitation and a re-evaluation of the construction estimates.



**PROJECT:** Authority-Wide - Upgrade MDTA Radio Communication Systems (700 MHz System)

**DESCRIPTION:** The State of Maryland purchased an integrated statewide wireless communications system. The system operates with the 700/800 MHz band frequencies. The implementation of the system incorporated a phased deployment methodology. The Maryland Transportation Authority is the first agency to work within this statewide project. MDTA is in Phase 1 Region 1-A which consists of BWI, ICC, Tunnel Command, Nice Bridge, Bay Bridge, and JFK North.

**PURPOSE & NEED SUMMARY STATEMENT:** The upgraded radio communications systems provide state, local, and regional public first responders' real time operable and interoperable voice and data services that support Day-to-Day, Mutual Aid, and Task Force operations.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
 ☒ Safety & Security
 ☐ System Preservation & Performance
 ☐ Environmental Stewardship
 ☐ Connectivity for Daily Life

**ASSOCIATED IMPROVEMENTS:**  
None.

**EXPLANATION:** The upgraded radio communications systems provide state, local, and regional public first responders' real time operable and interoperable voice and data services that support Day-to-Day, Mutual Aid, and Task Force operations.

**STATUS:** Open to service.

**POTENTIAL FUNDING SOURCE:**

☐ SPECIAL
 ☐ FEDERAL
 ☐ GENERAL
 ☒ OTHER

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.

PHASE	TOTAL		CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	1,680	1,002	678	0	0	0	0	0	678	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	22,000	6,195	15,805	0	0	0	0	0	15,805	0
Total	23,680	7,197	16,483	0	0	0	0	0	16,483	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**PROJECT:** Authority-Wide - Procure, Upgrade, Repair and Replace Signs Including Dynamic Message Signs and Sign Structures

**DESCRIPTION:** Upgrade and replace signs and sign structures and perform miscellaneous repairs. Also, supply dynamic message signs (DMS) for a 5 year period to support about 20+ projects that are replacing or installing new DMS throughout MDTA's facilities. The project also provides for preventive maintenance, emergency maintenance, and parts and supplies as needed to maintain the DMS signs.

**PURPOSE & NEED SUMMARY STATEMENT:** Existing DMS signs are experiencing reliability issues and other signs and sign structures are worn. This improvement will also bring signs and other safety features MDTA-wide up to latest standards.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Quality of Service     | <input checked="" type="checkbox"/> Safety & Security |
| <input type="checkbox"/> System Preservation & Performance | <input type="checkbox"/> Environmental Stewardship    |
| <input type="checkbox"/> Connectivity for Daily Life       |   |

**ASSOCIATED IMPROVEMENTS:** None.

**EXPLANATION:** Existing signs, sign structures and DMS signs are worn, requiring upgrades and replacement.

**STATUS:** Engineering and construction are underway.

**POTENTIAL FUNDING SOURCE:**

☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	3,453	3,003	450	0	0	0	0	0	450	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	25,861	18,317	7,544	0	0	0	0	0	7,544	0
Total	29,314	21,320	7,994	0	0	0	0	0	7,994	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.

1949, 1959, 2016



**PROJECT:** Authority-Wide - Install Security Systems and Video Surveillance at Major Bridges

**DESCRIPTION:** Install electronic security systems and video surveillance at five major bridges.

**PURPOSE & NEED SUMMARY STATEMENT:** This project will enhance the safety and security at five major bridges.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
 ☒ Safety & Security
 ☐ System Preservation & Performance
 ☐ Environmental Stewardship
 ☐ Connectivity for Daily Life

**ASSOCIATED IMPROVEMENTS:** None.

**EXPLANATION:** This project will enhance the safety and security at five major bridges.

**STATUS:** Engineering is complete. Construction is underway.

**POTENTIAL FUNDING SOURCE:**

☐ SPECIAL
 ☐ FEDERAL
 ☐ GENERAL
 ☒ OTHER

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.

PHASE	TOTAL		CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	612	612	0	0	0	0	0	0	0	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	11,310	1,221	5,000	4,500	200	200	189	0	10,089	0
Total	11,922	1,833	5,000	4,500	200	200	189	0	10,089	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**PROJECT:** Upgrade Truck Weigh Facilities at the Kennedy Highway, Bay Bridge and Hatem Bridge.

**DESCRIPTION:** Upgrade the existing truck weigh facilities in accordance with increased truck traffic.

**PURPOSE & NEED SUMMARY STATEMENT:** The truck weigh facilities will be upgraded to accommodate increased truck traffic by replacing the existing scales and installing newer technologies including Commercial Vehicles Information Systems and Networks (CVISN) and CHART. This project will improve the efficiency and effectiveness of commercial vehicle safety programs.

**STATE GOALS :** Maryland Transportation Plan (MTP) Goals/Selection Criteria:

- ☐ Quality of Service
 ☒ Safety & Security
 ☐ System Preservation & Performance
 ☐ Environmental Stewardship
 ☐ Connectivity for Daily Life

**ASSOCIATED IMPROVEMENTS:** None.

**EXPLANATION:** The truck weigh facilities will be upgraded to accommodate increased truck traffic by replacing the existing scales and installing newer technologies including Commercial Vehicles Information Systems and Networks (CVISN) and CHART. This project will improve the efficiency and effectiveness of commercial vehicle safety programs.

**STATUS:** Design is underway.

**POTENTIAL FUNDING SOURCE:** ☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL		CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)	EXPEND THRU 2012			.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	200	10	150	40	0	0	0	0	190	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	10,800	0	0	2,000	6,000	2,800	0	0	10,800	0
Total	11,000	10	150	2,040	6,000	2,800	0	0	10,990	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** Cost increased by \$10.8 million due to the addition of the construction phase and additional upgrades at the Bay Bridge and Hatem Bridge.



**PROJECT:** US 301 Harry W. Nice Memorial Bridge - Improvement Study

**DESCRIPTION:** Investigate capacity and safety needs of the bridge and approaches.

**JUSTIFICATION:** The existing bridge does not meet current standards, i.e., narrow lanes, lack of shoulders, and steep grades with lack of truck climbing lanes. The existing bridge during peak periods is reaching capacity. Traffic is projected to increase by 45 percent on weekdays and 33 percent on weekends by 2025.

**ASSOCIATED IMPROVEMENTS:**

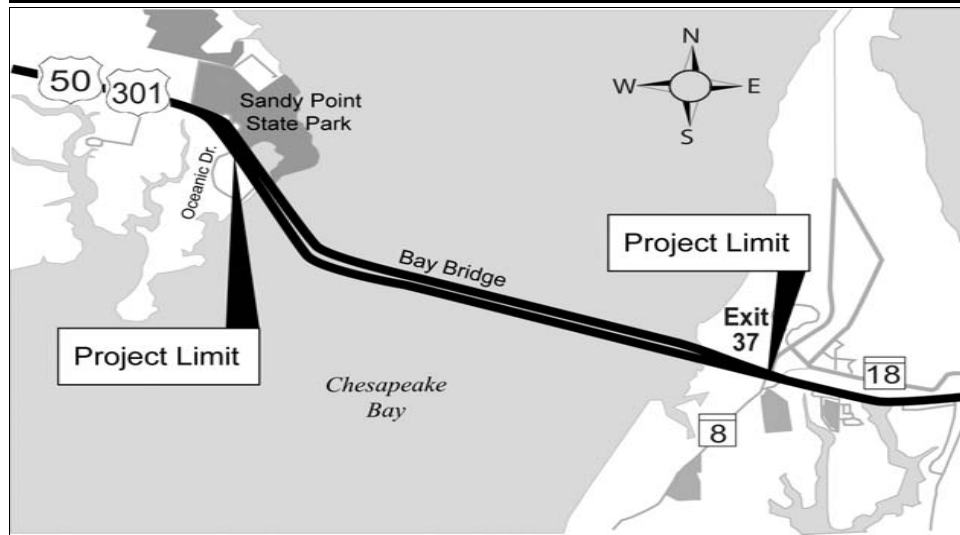
US 301 Harry W. Nice Memorial Bridge - Clean and Paint Structural Steel and Miscellaneous Structural Repairs - Construction Program (Line 23)

**STATUS:** Planning is underway.

**POTENTIAL FUNDING SOURCE:** ☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** None.

PHASE	TOTAL	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)				.....2015.....	.....2016.....	.....2017.....	.....2018.....		
Planning	6,400	5,213	1,187	0	0	0	0	0	1,187	0
Engineering	100	0	100	0	0	0	0	0	100	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	6,500	5,213	1,287	0	0	0	0	0	1,287	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0



**PROJECT:** US 50/301 Bay Bridge - Rehabilitate Eastbound Bridge Deck

**DESCRIPTION:** Rehabilitate and/or replace the eastbound bridge deck.

**JUSTIFICATION:** The eastbound deck is exhibiting various degrees of deterioration as it was last replaced in 1985. Industry standards indicate that the deck is nearing the end of its life cycle.

**ASSOCIATED IMPROVEMENTS:**

US 50/301 Bay Bridge - Clean and Paint Structural Steel Westbound Bridge - Construction Program (Line 17)

US 50/301 Bay Bridge - Cable Rewrapping & Dehumidification - Construction Program (Line 18)

US 50/301 Bay Bridge - Repair Substructure Westbound Bridge - Construction Program (Line 19)

**STATUS:** Engineering is underway.

**POTENTIAL FUNDING SOURCE:**

☐ SPECIAL ☐ FEDERAL ☐ GENERAL ☒ OTHER

PHASE	TOTAL	EXPEND THRU 2012	CURRENT YEAR 2013	BUDGET YEAR 2014	PROJECTED CASH REQUIREMENTS FOR PLANNING PURPOSES ONLY				SIX YEAR TOTAL	BALANCE TO COMPLETE
	ESTIMATED COST (\$000)				.....2015....	.....2016....	.....2017....	.....2018....		
Planning	0	0	0	0	0	0	0	0	0	0
Engineering	10,700	0	300	700	4,800	4,900	0	0	10,700	0
Right-of-way	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0
Total	10,700	0	300	700	4,800	4,900	0	0	10,700	0
Federal-Aid	0	0	0	0	0	0	0	0	0	0

**SIGNIFICANT CHANGE FROM FY 2012 - 17 CTP:** New project.

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 and Prior</u></b>		
	<b><u>BALTIMORE HARBOR TUNNEL</u></b>		
1	Rehabilitate Tunnel Lighting and Control System (0264)	2,482	Complete
2	Replace Drainage Pipe in Fresh Air Duct (Code 1 System Preservation) (2213)	4,746	Complete
3	Replace Dynamic Message Signs & Lane Use Signals with LED Based Technology (0281)	1,491	Underway
4	Study Sound Barriers (2233)	214	Underway
5	Canton and Fairfield Vent Building Envelope Repair (Engineering only) (2306)	300	Underway
6	Clean and Paint Structural Steel - Phase I (2253)	3,229	Underway
7	Deck and Superstructure Replacement of Bridge on I-895 over Patapsco Flats (Engineering only) (2292)	5,230	Underway
8	HVAC Replacement at Administration Building (Engineering only) (2308)	75	Underway
9	Rehabilitate K-Truss Bridge Deck (Code 1 System Preservation) (2210)	5,452	Underway
10	Replace Vent Fans (Engineering only) (2263)	380	Underway
11	BHT Toll Booth Replacement (Engineering only) (2307)	66	Underway
12	Clean and Paint Structural Steel on Various Bridges - Phase II (2255)	4,422	Underway
13	Rehabilitation of K-Truss Approach Spans (Engineering only) (2334)	1,000	Underway
14	Repaint Harbor Tunnel Switchgear Enclosures (Engineering only) (2330)	60	Underway
15	Zone Painting Various Bridges (2279)	2,412	Spring, 2013
	<b><u>F.S.KEY BRIDGE</u></b>		
16	Replace Light Poles on Bridge (2150)	1,226	Underway
17	Clean and Paint Structural Steel on Various Bridges - Phase I (2258)	1,575	Underway
18	All Electronic Tolling Conversion and Virtual Weigh Station (Engineering only) (2304)	2,800	Underway
19	Bridge Deck Overlay to Bridges over Dock Road (inner loop) & over CSXT(outer loop) (Engineering only) (2327)	400	Underway
20	Clean and Paint Structural Steel at Bear Creek Bridges (2252)	3,988	Underway
21	Cleaning and Painting of Approach Spans on I-695 Bridge over Curtis Creek (Engineering only) (2331)	100	Underway
22	New Salt Bin (Engineering only) (2309)	75	Underway
23	Replace HVAC at Engineering and Administration Buildings (Engineering only) (2319)	68	Underway
24	Superstructure Fatigue Retrofits at Curtis Creek Bridge (Code 2 System Preservation) (2214)	1,692	Underway



## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 and Prior (cont'd)</u></b>		
	<b><u>FORT MCHENRY TUNNEL</u></b>		
25	Upgrade Central Utility Plant (1477)	1,304	Underway
26	FMT East Vent Building Police Detention Area (1402)	2,532	Underway
27	Replace Weathering Steel High Mast Light Poles - Code 2 System Preservation (Engineering only) (2206)	1,000	Underway
28	Repair Hanover Street Ramp (2157)	1,617	Underway
29	Replace Administration Building Generator (2138)	363	Underway
30	Replace Dynamic Message Signs and Lane Use Signals with LED Based Technology (1463)	2,913	Underway
31	Repair or Rehabilitate Vent Fans (Engineering only) (2251)	300	Underway
32	Replace or Rehabilitate Tunnel Lighting System (Engineering only) (2269)	500	Underway
33	Salt Barn Replacement (Engineering only) (2299)	16	Underway
34	Dewatering Pad (2310)	480	Underway
35	Rehab of 4 Bridges on I-95 over Herring Run and CSX (Engineering only) (2333)	1,500	Underway
36	Replace Roof at the Maintenance Building (2301)	974	Spring, 2013
37	Zone Painting Various Bridges North of Tunnel (2256)	5,791	Spring, 2013
	<b><u>HATEM BRIDGE</u></b>		
38	HVAC Replacement at Administration Building and Scale Houses (Engineering only) (2303)	123	Underway
39	Rehabilitate Approach Roadways (Engineering only) (2273)	1,516	Underway
40	Remove UST's and Add One 1,000 Gallon Diesel Aboveground Tank for Winter Ops (Engineering only) (2222)	100	Underway
41	Toll Modification (2293)	500	Underway
	<b><u>KENNEDY HIGHWAY</u></b>		
42	Section 200: I-95 from North of MD 43 to North of MD 22 (1119)	7,359	Complete
43	New Maintenance Facility (Equipment, Vehicle Acquisition & ROW only) (2136)	6,185	Underway
44	I-95/MD 222 Concept Study (Planning only) (2237)	425	Underway
45	Modify Drainage to Hand Boxes (2057)	338	Underway
46	Salt Barn at MD 7 and I-695 (Joint project with SHA) (2181)	1,557	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 and Prior (cont'd)</u></b>		
	<b><u>KENNEDY HIGHWAY (cont'd)</u></b>		
47	Clean and Paint Structural Steel on Various Bridges (Code 1 System Preservation) (2238)	3,257	Underway
48	Modify Expansion Joints on the Tydings Bridge (SB) and Miscellaneous Structural Repairs (2182)	4,605	Underway
49	Replace Administration Building 230kW Generator (2239)	290	Underway
50	Replace Underground Storage Tank with Aboveground Storage Tank-Maintenance 1 (Engineering only) (2218)	150	Underway
51	Clean and Paint Structural Steel - Phase II (2257)	6,000	Underway
52	Clean and Zone Paint Tydings Bridge (Engineering only) (2313)	150	Underway
53	Dewatering Pad at Maintenance 1 (2314)	180	Underway
54	Light Pole Replacement (Engineering only) (2323)	100	Underway
55	Phase II Resurfacing from MD 24 to Tydings Bridge (Engineering only) (2312)	250	Underway
56	Replace Navigational Lighting on the MET Bridge (Engineering only) (2332)	100	Underway
57	Toll Booth Replacement (Engineering only) (2311)	110	Underway
58	Overlay Deck & Repair - Bouchelle Road & MD 213 Bridges over I-95 (2275)	1,506	Spring, 2013
59	Zone Painting Various Bridges - Phase III (2281)	3,551	Spring, 2013
	<b><u>MULTI-AREA</u></b>		
60	Evaluate and Upgrade Security Related Plans (1467)	171	Underway
61	Install Radio Rebroadcast Systems in Fort McHenry and Harbor Tunnels (1963)	913	Underway
62	Install Highway Advisory Radio Transmitters and Signs - JFK and WPL (2008)	1,183	Underway
63	Law Enforcement IT Systems Plan - Multi-Area (2060)	3,147	Underway
64	Replace Electronic Toll Collection and Operating System - 3rd Gen. (Engineering only) (2147)	3,897	Underway
65	Comprehensive Building Inspection Program (2177)	628	Underway
66	Miscellaneous Paving Repairs (2142)	4,697	Underway
67	Right-of-Way and General Fencing at Various Locations (2144)	282	Underway
68	All Electronic Tolling Authority-Wide Feasibility Study (2183)	733	Underway
69	Design of E-ZPass Back-Up Site (2225)	100	Underway
70	Evaluate Condition of Deck, Superstructure & Substructures All Facilities (Engineering only) (2083)	1,804	Underway
71	Furnish and Install Radiac Cable within Tunnels (2156)	1,929	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 and Prior (cont'd)</u></b>		
	<b><u>MULTI-AREA (cont'd)</u></b>		
72	Miscellaneous Roadway Lighting Repairs and Modifications (1913)	4,911	Underway
73	Replace Navigational Lighting Systems to Francis Scott Key, Nice Memorial Bridge and Bay Bridge (2074)	2,553	Underway
74	Study of Commercial Vehicle Inspections Facilities Authority-Wide (2073)	330	Underway
75	Study Unified Operations Center (2250)	10	Underway
76	Design & Construct Security Fencing at Shores of Major Bridges (TJH, FSK, HWN, Tydings & WPL) (2130)	2,041	Underway
77	Replace Generators (Engineering only) (2265)	331	Underway
78	Allocated Long Range Capital Needs Reserve (2325)	3,077	Underway
79	Bridge Deck Overlay and Misc. Repairs of I-895A Ramp over I-895B and Quarantine Road over I-695 (2270)	3,341	Underway
80	Deck Sealing of Various Bridges on I-95, I-695 and I-895 (JFK, FSK, BHT) (Engineering only) (2326)	400	Underway
81	Energy Lease Program (2078)	1,546	Underway
82	Equipment Budget (1702)	3,465	Underway
83	Law Enforcement CAD/RMS/AFR/AVL System Plan (2324)	6,952	Underway
84	Miscellaneous Paving Repairs (Code 1 System Preservation) (2193)	2,487	Underway
85	On-Call Facility/Building Repairs (2240)	692	Underway
86	On-Call Furnishing and Installation of Camera and CODEC Equipment (2014)	2,066	Underway
87	On-Call Miscellaneous Electrical Repairs (5-year) (2236)	298	Underway
88	On-Call Miscellaneous Paving Repairs (2335)	122	Underway
89	On-Call Shotcrete Repairs and Miscellaneous Modifications (2227)	4,485	Underway
90	On-Call Shotcrete Repairs and Miscellaneous Modifications (2297)	2,382	Underway
91	On-Call Structural Repairs and Miscellaneous Modifications (2171)	500	Underway
92	On-Call Structural Repairs and Miscellaneous Modifications (2176)	1,881	Underway
93	On-Call Structural Repairs and Miscellaneous Modifications (2254)	5,406	Underway
94	On-Call Structural Repairs and Miscellaneous Modifications (2291)	3,889	Underway
95	On-Call Structural Repairs and Miscellaneous Modifications (2296)	2,366	Underway
96	On-Call TMDL Stormwater Retrofits on JFK and BHT (2290)	1,311	Underway
97	Program Management Services for System Preservation (2235)	3,000	Underway
98	Remove, Replace and Upgrade Sign Structures - Northern Region (Engineering only) (2289)	850	Underway
99	Replace Roofs at the Baltimore Harbor Tunnel and Francis Scott Key Campuses (2247)	195	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 and Prior (cont'd)</u></b>		
	<b><u>MULTI-AREA (cont'd)</u></b>		
100	Video Citation Process (2294)	700	Underway
101	Furnish, Deliver and Commission DMS (2229)	1,439	Spring, 2013
102	Multi-Area Fatigue Retrofits for Structures (Code 2 System Preservation) (2219)	1,248	Spring, 2013
103	Replace Roofs at JFK and Hatem Bridge Campuses (2241)	2,638	Spring, 2013
	<b><u>NICE BRIDGE</u></b>		
104	Renovate Administration Building (1025)	2,141	Underway
	<b><u>POINT BREEZE</u></b>		
105	Point Breeze - Second Floor Renovation (2295)	6,950	Spring, 2013
	<b><u>W. P. LANE BRIDGE</u></b>		
106	Reconstruct/Rehab Pavement - Eastbound & Westbound Approaches (Engineering only) (2053)	241	Underway
107	Replace Traffic System Controllers, Signals and Communications and Replace Cameras and Remount (0651)	8,428	Underway
108	Fatigue Retrofits - Code 2 System Preservation (Engineering only) (2217)	250	Underway
109	Potomac Pier Study and Analysis (2286)	374	Underway
110	Replace Existing DMS Near Bridge and Install New DMS - east of MD 404 (1914)	938	Underway
111	Replace Underground Tanks at Administration Building & Police West Garage (2051)	1,300	Underway
112	Modifications to WPL Crossover (Engineering only) (2344)	150	Underway
113	Modifications to WPL Lane Use System (Engineering only) (2340)	154	Underway
114	Rehabilitate Acoustic Monitoring on EB Bay Bridge (Engineering only) (2341)	304	Underway
115	Rehabilitate Metal Northrop/Grumman Building for Operations (Engineering only) (2322)	50	Underway
116	Replace 5KV Feeder on EB Bay Bridge (Engineering only) (2329)	1,359	Underway
117	Replace Roofs at Bay Bridge Campus (2245)	377	Underway
118	Suspension Fans Rehabilitation (Engineering only) (2342)	6,100	Underway

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2013 and Prior (cont'd)</u></b>		
	<b><u>W. P. LANE BRIDGE (cont'd)</u></b>		
119	Toll Plaza Concrete Paving Repairs (Engineering only) (2318)	400	Underway
120	Install 4 Isolation Points and Access Ladder - Eastbound Bay Bridge (2054)	1,069	Spring, 2013
121	Renovate Conduit Hangers - Both Spans (2267)	986	Spring, 2013
	<b><u>FY 2014</u></b>		
	<b><u>BALTIMORE HARBOR TUNNEL</u></b>		
122	Installation of Tunnel Sprinkler System (Engineering only) (2337)	1,550	Summer, 2013
	<b><u>F.S.KEY BRIDGE</u></b>		
123	Reconstruct Service Road #3 (2234)	3,764	Summer, 2013
124	Replace Underground Storage Tanks with Vaulted Aboveground Storage Tanks (2202)	1,576	Summer, 2013
	<b><u>FORT MCHENRY TUNNEL</u></b>		
125	HVAC Replacement at Administration Building, Maintenance Building and Emergency Garages (2285)	2,269	Summer, 2013
	<b><u>KENNEDY HIGHWAY</u></b>		
126	Renovate HVAC System at Administration Building (2272)	889	Summer, 2013
	<b><u>MULTI-AREA</u></b>		
127	Allocated Long Range Capital Needs Reserve (2325)	30,435	Summer, 2013
128	Equipment Budget (1702)	3,990	Summer, 2013
129	Miscellaneous Paving Repairs (Code 1 System Preservation) (2193)	2,208	Summer, 2013
130	On-Call Facility/Building Repairs (2240)	575	Summer, 2013

## SYSTEM PRESERVATION MINOR PROJECTS PROGRAM

### MARYLAND TRANSPORTATION AUTHORITY - LINE 30 (cont'd)

ITEM NO.	DESCRIPTION AND IMPROVEMENT TYPE	TOTAL ESTIMATED COST (\$000's)	CONSTRUCTION START
	<b><u>FY 2014 (cont'd)</u></b>		
	<b><u>MULTI-AREA (cont'd)</u></b>		
131	On-Call Miscellaneous Electrical Repairs (5-year) (2236)	279	Summer, 2013
132	On-Call Miscellaneous Paving Repairs (2335)	3,021	Summer, 2013
133	On-Call Shotcrete Repairs and Miscellaneous Modifications (2297)	3,595	Summer, 2013
134	On-Call Sign Structures (2298)	2,790	Summer, 2013
135	On-Call Structural Repairs and Miscellaneous Modifications (2171)	352	Summer, 2013
136	On-Call Structural Repairs and Miscellaneous Modifications (2254)	5,140	Summer, 2013
137	On-Call Structural Repairs and Miscellaneous Modifications (2291)	3,558	Summer, 2013
138	On-Call Structural Repairs and Miscellaneous Modifications (2296)	3,195	Summer, 2013
139	On-Call TMDL Stormwater Retrofits on JFK and BHT (2290)	1,015	Summer, 2013
140	Program Management Services for System Preservation (2235)	3,000	Summer, 2013
141	Replace Toll Booths - Bay Bridge and Fort McHenry Tunnel (2276)	4,813	Summer, 2013
142	System Preservation Allocated Reserve (1979)	33,095	Summer, 2013
143	System Preservation Unallocated Reserve (1981)	5,026	Summer, 2013
144	Chesapeake Bay TMDL Stormwater Retrofits (2300)	8,800	Spring, 2014
	<b><u>NICE BRIDGE</u></b>		
145	Replace Roofs of Administration and Maintenance Buildings and Rehab Roof of Metal Storage Building (2302)	524	Summer, 2013
146	Replace Two Generators at the Administration and Maintenance Buildings (2328)	605	Summer, 2013
147	Replace Underground Storage Tanks with Aboveground Storage Tanks (2200)	530	Summer, 2013
	<b><u>POINT BREEZE</u></b>		
148	Replace Roof at 2310 Point Breeze Building (2242)	1,204	Summer, 2013
	<b><u>W. P. LANE BRIDGE</u></b>		
149	Furnish and Install Uninterruptible Power Supply (UPS) (2268)	805	Summer, 2013